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*The Trusted Integrator for Sustainable Solutions*

May 23, 2014

Mr. James Desir, Work Assignment Manager
U.S. Environmental Protection Agency
290 Broadway - 18th Floor
New York, NY 10007-1866

**Document Control No.: DCN 2179-2A-BLZS**

**Subject:** **Flushing Bay, Flushing River, and Willets Point Pre-CERCLIS Screening**
**Mount Hope Asphalt Corp. Pre-CERCLIS Screening Form**
**Contract No.: EP-S5-06-04, TDD No.: S05-0013-1306-003**

Dear Mr. Desir,

Weston Solutions, Inc. (WESTON®) is pleased to submit the revised Pre-CERCLIS Screening Form for the Mount Asphalt Corp. site identified as part of the Flushing Bay, Flushing River, and Willets Point investigation of uncontrolled hazardous waste sites. If you have any questions, please contact me at (856) 793-2129.

Very truly yours,

WESTON SOLUTIONS, INC.

Nancy Shannon
Senior Project Scientist

enclosure

cc: C. Romano, EPA (w/o enclosure)
G. Gilliland, WESTON
file

# PRE-CERCLIS SCREENING/NEW SITE ASSIGNMENT FORM

**EPA ID NUMBER: None**

**SITE NAME: Mount Hope Asphalt Corp.**

**PREVIOUS NAMES (AKAs): College Point Asphalt; Flushing Asphalt; Queen County Asphalt**

**SITE LOCATION:**

**Street address: 120-01 31st Avenue**
**City: Flushing**
**State: New York**
**Zip code: 11354**
**County: Queens**

**BLOCK: 4346**
**LOT: 75**

**LATITUDE (decimal degrees): + 40.769925**
**LONGITUDE (decimal degrees): - 73.847955**

**a. Accuracy meters: None**
**b. Collection method: EDR Report**
**c. Reference datum: None**
**d. Reference point: Property address**
**e. Source map scale: None**
**f. Point/line/area: Point**
**g. Collection date: 08/02/2013**

**(See Attachment 1 for available values)**

**AVAILABLE SITE TYPE MAIN CATEGORIES: Manufacturing/processing/maintenance**
**AVAILABLE SITE TYPE MAIN SUBCATEGORIES: none**

**(See Attachment 2 for available values)**

**COMPLETE THE FOLLOWING CHECKLIST.**

| | YES | NO |
|---|---|---|
| 1. Does the site already appear in CERCLIS? | | X |
| 2. Is there a known, suspected, or potential release of CERCLA hazardous substances? | X | |
| 3. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures? | | X |
| 4. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found? | | X |
| 5. Is the release into a public or private drinking water supply due to deterioration of the water supply system through ordinary use? | | X |
| 6. Is some other program actively involved with the site (i.e., another Federal, State or Tribal program)? | X | |
| 7. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal | | X |

| | | |
|---|---|---|
| application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA or OSHA? | | |
| 8. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)? | | X |
| 9. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, previous HRS score determined, ASTM Phase I, II, etc. completed, EPA approved risk assessment completed)? | X | |

**EXPLAIN ALL YES ANSWERS:**

Question 2: As discussed below, liquid asphalt from an aboveground storage tank (AST) was released onto the ground surface as a result of a fire.

Question 6: As discussed below, both the New York State Department of Environmental Conservation (NYSDEC) and the New York City Department of Environmental Protection (NYCDEP) were notified of or responded to the release and subsequent cleanup of hazardous substances at the Site.

Question 9: Based on available information, as discussed below, there is sufficient documentation that demonstrates that there are no potential adverse impacts to human health or the environment as a result of the release of hazardous substances.

**SITE DETERMINATION:**

**____ FURTHER ASSESSMENT IS RECOMMENDED. ENTER SITE INTO CERCLIS.**

**_X_ THE SITE IS NOT RECOMMENDED FOR PLACEMENT INTO CERCLIS.**

**DISCUSS DECISION AND RATIONALE:**

The pre-CERCLIS screening activities for the Mount Hope Asphalt Corp. site (hereafter "Site") were conducted by EPA in response to a petition EPA received to conduct a preliminary assessment of hazardous waste threats in Flushing Bay, Flushing River, and Willets Point. A search of Federal and State environmental records databases was conducted for the area north of Willets Point across Flushing Bay (i.e., between the bay and College Point Boulevard) and the area to the east of Willets Point across Flushing River. The Site was selected based on information obtained from the database search that indicated there was a June 2001 on-site release of approximately 100 gallons of burning asphalt to the ground surface. EPA is attempting to identify if further investigation is warranted to evaluate the Site under CERCLA based on a review of additional information.

The Site is located in an industrial area of Flushing, Queens, NY, as shown on Figures 1 and 2 in Appendix A. The western portion of the Site property boundary extends into Flushing Bay. The Site is bordered to the north and south by other industrial properties, and to the east by a New York City Sanitation Department facility. There are no residences in the immediate vicinity of the subject property.

Information contained in the database search and in the NYSDEC Spill Report No. 0103511 indicates that on June 30, 2001, an AST containing liquid asphalt was on fire at the Mount Hope Asphalt facility located at 120-01 31st Avenue in Queens, NY. Liquid asphalt was leaking onto the ground surface from piping associated with the AST. The NYC Fire Department and NYCDEP Hazardous Materials Unit responded to the incident. An NYCDEP Service Request Detail Report No. 324995 indicates that the spilled asphalt solidified immediately on the ground surface. The material was to be scooped up by the facility and placed

back into the tank to be processed. The NYCDEP service request stated "No Further Action was Required"; the NYSDEC spill case was closed on July 2, 2001.

There are no drinking water targets associated with the groundwater migration pathway within a 4-mile radius. Drinking water is supplied to the residents of New York City by the New York City Water Supply System (NYCWSS). NYCWSS's source water is surface water, which is supplied from a network of 19 reservoirs and three controlled lakes located approximately 125 miles north and west of New York City. It can be assumed that surface water runoff at the Site would discharge directly into Flushing Bay; however, based on available information, the spilled material solidified immediately on the ground surface and did not release into the bay. Additionally, given the highly commercial and industrialized area along the river, establishing an observed release of site-attributable hazardous substances associated with asphalt, primarily polycyclic aromatic hydrocarbons (PAHs) in sediment, is considered to be unlikely because PAHs are a common contaminant in industrialized urban areas.

In addition, few HRS-eligible wetlands or sensitive environments are present within the heavily industrialized area of Flushing Bay. An area of contaminated soil has not been identified; the majority of the site vicinity is covered by asphalt, concrete, and buildings. Therefore, soil exposure is not a pathway of concern. During the initial fire, there was the potential for hazardous substances to be released to the air; however, an on-going release to the air migration pathway as a result of the release is not likely or suspected. Therefore, the air migration pathway is not considered to be a pathway of concern associated with the Site.

Based on available information, the Mount Hope Asphalt Corp. site is not recommended for further assessment under CERCLA.

Checklist preparer: Nancy Shannon _____ 05/23/2014
Print name/signature Date

**Title: Senior Project Scientist, Weston Solutions, Inc.**
**Date: May 23, 2014**
**Address: 205 Campus Drive, Edison, NJ 08837**
**Phone Number: 732-417-5800**
**E-mail address: nancy.shannon@westonsolutions.com**

**Regional EPA Reviewer:** _____ _____
Print name/signature Date

# *ATTACHMENT 1*

REQUIRED INFORMATION FOR SITE COORDINATES

Please provide Latitude and Longitude in decimal degrees.

a. Accuracy meters: Describe the accuracy value as a range (+/-) of the latitude and longitude in meters: **None**

b. Collection method: Describe the method used to determine the site coordinates.

- ☒ Address matching
  - ☐ Block Face
  - ☐ Digitized
  - ☐ House Number
  - ☐ Nearest Intersection
  - ☐ Primary Name
  - ☐ Street Centerline
  - ☒ Other (specify) Property address_____
- ☐ Interpolation
  - ☐ Map
  - ☐ Digital map source (TIGER)
  - ☐ Photo
  - ☐ Satellite
  - ☐ MSS
  - ☐ SPOT
  - ☐ TM
  - ☐ Other (specify) _____
- ☐ Global Positioning System
  - ☐ Carrier phase kinematic relative positioning technique
  - ☐ Carrier phase static relative positioning technique
  - ☐ Code measurements (pseudo range) differential (DGPS)
  - ☐ Code measurements (pseudo range) precise positioning service
  - ☐ Code measurements (pseudo range) standard positioning service SA off
  - ☐ Code measurements (pseudo range) standard positioning service SA on
  - ☒ GPS unspecified
- ☐ Public land Survey
  - ☐ Footing
  - ☐ Quarter section
  - ☐ Eighth section
  - ☐ Sixteenth section
  - ☐ Section
- ☐ Census
  - ☐ Block - 1990 - centroid
  - ☐ Block/group - 1990 - centroid
  - ☐ Block tract - 1990 - centroid
  - ☐ Other (specify) _____

- ☐ Loran C
  - ☐ Classical Surveying Techniques
  - ☐ Zip Code Centroid
  - ☐ Zip+2 Centroid
  - ☐ Zip+4 Centroid
  - ☐ Unknown
  - ☐ Other (specify) _____

c. Reference Datum: Please describe the reference datum of the latitude and longitude

- ☐ NAD27
- ☐ NAD83
- ☐ WGS84
- ☐ Other (specify) _____
- ☒ Unknown

d. Reference Point: Describe the category of feature referenced by the site coordinates

- ☐ Administrative building
- ☐ Air monitoring station
- ☐ Air release
  - ☐ Stack
  - ☐ Vent
- ☐ Atmosphere emissions treatment unit
- ☐ Boundary point
- ☐ Center of facility/centroid
- ☒ Facility/station building entrance
- ☐ Intake point
- ☐ Lagoon or settling pond
- ☐ Liquid waste treatment unit
- ☐ Loading area centroid
- ☐ Loading facility
- ☐ Monitoring point
- ☐ Northeast corner of land parcel
- ☐ Northwest corner of land parcel
- ☐ Plant Entrance
  - ☐ Freight
  - ☐ General
  - ☐ Personnel
- ☐ Process Unit
- ☐ Process Unit area centroid
- ☐ Southeast corner of land parcel
- ☐ Southwest corner of land parcel
- ☐ Solid waste treatment/disposal unit
- ☐ Solid waste storage area
- ☐ Water monitoring station
- ☐ Water release pipe
- ☐ Well
- ☐ Well protection area
- ☐ Within limits of groundwater plume
- ☐ Other (specify)
- ☐ Unknown

e. Source Map Scale: Describe the scale of the source used to determine the site coordinates

- ☐ 1:10,000
- ☐ 1:12,000
- ☐ 1:15,840
- ☐ 1:20,000
- ☐ 1:24,000
- ☐ 1:25,000
- ☐ 1:50,000
- ☐ 1:62,500
- ☐ 1:63,360
- ☐ 1:100,000
- ☐ 1:125,000
- ☐ 1:250,000
- ☐ 1:500,000
- ☒ None
- ☐ Other (specify) _____
- ☐ Unknown

f. Point/line/area: Describe the area defined by the coordinates

- ☐ Area
- ☐ Line
- ☒ Point
- ☐ Region
- ☐ Route
- ☐ Unknown

g. Collection Date: Please provide the date the site coordinates were obtained: **08/02/2013**

## ATTACHMENT 2

SITE TYPE MAIN CATEGORIES AND SUB CATEGORIES

### Manufacturing/processing/maintenance

Chemicals and allied products
Radioactive products
Primary metals/mineral processing
Oil and gas refining
Metal fabrication/finishing/coating and allied industries
Lumber and wood products/pulp and paper
Lumber and wood products/wood preserving/treatment
Plastics and rubber products
Electronic/electrical equipment
Coal gasification
Ordnance production
Coke production
Trucks/ships/trains/aircraft and related components
Tanneries
Fabrics/textiles
Other (please specify)

### Recycling

Batteries/scrap metals/secondary smelting/precious metal recovery
Waste/used oil
Automobiles/tires
Drums/tanks
Chemicals/chemical waste (e.g., solvent recovery)
Other (please specify)

### Waste Management

Municipal solid waste landfill
Industrial waste landfill
Co-disposal landfill (municipal and industrial)
Industrial waste facility (non-generator)
Radioactive waste treatment, storage, disposal (non-generator)
Mine tailings disposal
Illegal disposal/open dump
Other (please specify)

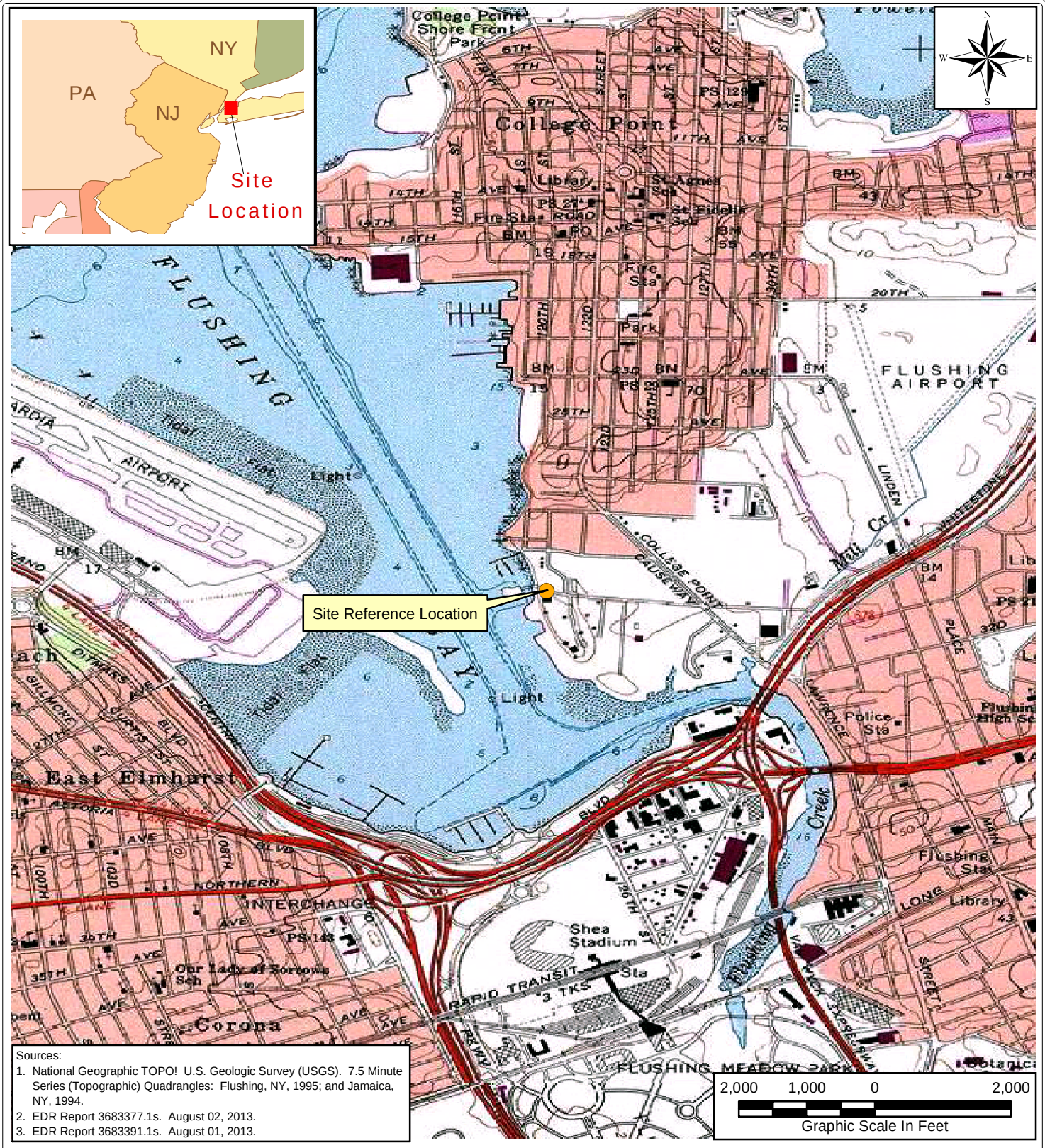
### Mining

Coal
Oil and gas
Metals
Non-metal minerals
Other (please specify)

### Other

Treatment works/septic tanks/other sewage treatment
Transportation (e.g., railroad yards, airport, barge docking site)
Product storage/distribution
Groundwater plume site with no identifiable source
Contaminated sediment site with no identifiable source
Retail/commercial (e.g., dry cleaners)
Agricultural (e.g., grain elevators)
Spill or other one time event
Military
Research, development, and testing facility
Dust control
Other (please specify)

# APPENDIX A
# FIGURES




Sources:
1. National Geographic TOPO! U.S. Geologic Survey (USGS). 7.5 Minute Series (Topographic) Quadrangles: Flushing, NY, 1995; and Jamaica, NY, 1994.
2. EDR Report 3683377.1s. August 02, 2013.
3. EDR Report 3683391.1s. August 01, 2013.

LEGEND:

Site Reference Location

TITLE:

# Site Location Map
## Mount Hope Asphalt Corp.
## 120-01 31st Ave
## Flushing, Queens, NY

PROJECT: Mount Hope Asphalt Corp.

CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: May 2014

FIGURE #: 1

P:\SAT2\Flushing Bay_Flushing_River_and_Willets Point\Mount_Hope_Asphalt_Corp\MXD\15100_MHAC_Topo.mxd


SOURCES:
1. U.S. Geological Survey (USGS). High Resolution Orthoimagery. http://earthexplorer.usgs.gov. May 8th, 2009.
2. EDR Report 3683377.1s. August 02, 2013.
3. EDR Report 3683391.1s. August 01, 2013.

LEGEND:
- Site Reference Location
- Approximate Property Boundary

TITLE:

# Site Map
## Mount Hope Asphalt Corp.
## 120-01 31st Ave
## Flushing, Queens, NY

PROJECT: Mount Hope Asphalt Corp.

CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: May 2014

FIGURE #: 2

P:\SAT2\Flushing Bay_Flushing_River_and_Willets Point\Mount_Hope_Asphalt_Corp\MXD\15101_MHAC_Aerial.mxd